

SEQUENCE LISTING

<110> St Vincent's Institute of Medical Research

<120> Inhibitor of Osteoclast Precursor Formation

<130> FP13129

<140> PCT/AU00/00864

<141> 2000-07-19

<150> AU PQ1675

<151> 1999-07-19

<160> 56

<170> PatentIn version 3.0

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<212> DNA

<213> Artificial

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<223> sense primer complementary to rat calcitonin cDNA

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<213> Rattus rattus

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<211> 402

<212> DNA

<213> Rattus rattus

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<223> sense specific primer complementary to SEQ ID NO:4

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<211> 1302

<212> DNA

<213> Rattus rattus

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<211> 738

<212> DNA

<213> Artificial Sequence

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<211> 620

<212> DNA

<213> Rattus rattus

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<210> 10

<211> 1907

<212> DNA

<213> Mus musculus

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<211> 9862

<212> DNA

<213> Mus musculus

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<221> Unsure

<222> (636) .. (636)

<223> unknown

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<220>

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<400> 13

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19

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<400> 14

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<210> 15

<211> 721

<212> DNA

<213> Mus musculus

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<220>

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25

<210> 19

<211> 1229

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<211> 1305

<212> DNA

<213> Homo sapiens

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<212> DNA

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<211> 20

<212> DNA

<213> Artificial

<220>

<223> antisense primer

<400> 38

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20

<210> 39

<211> 22

<212> DNA

<213> Artificial

<220>

<223> antiense primer

<400> 39

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22

<210> 40

<211> 207

<212> PRT

<213> Mus musculus

<400> 40

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Pro	Gln	Glu	Val	Glu	Val	Gly	Lys	Ile	Leu	Gln	Gly	Lys	Arg	His	Gly
			20					25					30		

Thr	Ile	Ser	Pro	Glu	Ser	Cys	Ala	Lys	Leu	Tyr	Cys	Tyr	Tyr	Gly	Val
		35					40					45			

Ile	Met	Val	Leu	Thr	Val	Ala	Val	Ile	Ala	Leu	Ser	Val	Ala	Leu	Ser
	50					55					60				

Ala	Thr	Lys	Thr	Glu	Gln	Ile	Pro	Val	Asn	Lys	Thr	Tyr	Ala	Ala	Cys
65					70					75					80

Pro	Gln	Asn	Trp	Ile	Gly	Val	Glu	Asn	Lys	Cys	Phe	Tyr	Phe	Ser	Glu
			85						90					95	

Tyr	Pro	Ser	Asn	Trp	Thr	Phe	Ala	Gln	Ala	Phe	Cys	Met	Ala	Gln	Glu
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

100	105	110
Ala Gln Leu Ala Arg Phe Asp Asn Gln Asp Glu Leu Asn Phe Leu Met		
115	120	125
Arg Tyr Lys Ala Asn Phe Asp Ser Trp Ile Gly Leu His Arg Glu Ser		
130	135	140
Ser Glu His Pro Trp Lys Trp Thr Asp Asn Thr Glu Tyr Asn Asn Thr		
145	150	155
Ile Pro Ile Arg Gly Glu Glu Arg Phe Ala Tyr Leu Asn Asn Asn Gly		
165	170	175
Ile Ser Ser Thr Arg Ile Tyr Ser Leu Arg Met Trp Ile Cys Ser Lys		
180	185	190
Leu Asn Ser Tyr Ser Leu His Cys Gln Thr Pro Phe Phe Pro Ser		
195	200	205

<210> 41

<211> 218

<212> PRT

<213> Mus musculus

<400> 41

Met Pro Asp Cys Leu Glu Thr Gly Glu Lys Leu Phe Val His Asn Met
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20 25 30
Thr Gly Asp Lys Ile Leu Gln Arg Lys Ser Leu Arg Ala Ile Ser Pro
35 40 45

Glu Ser Ser Ala Lys Leu Tyr Cys Cys Tyr Gly Val Ile Met Val Leu
50 55 60

Thr Val Ala Val Val Ala Leu Ser Val Ala Leu Ser Val Thr Lys Thr
65 70 75 80

Glu Gln Ile Leu Ile Asn Lys Thr Tyr Ala Ala Cys Pro Lys Asn Trp
85 90 95

Ile Gly Val Gly Asn Lys Cys Phe Tyr Phe Ser Glu Tyr Thr Ser Asn
100 105 110

Trp Thr Phe Ala Gln Thr Phe Cys Met Ala Gln Glu Ala Gln Leu Ala
115 120 125

Arg Phe Asp Asn Glu Lys Glu Leu Asn Phe Leu Met Arg Tyr Lys Ala
130 135 140

Asn Phe Asp Ser Trp Ile Gly Leu His Arg Glu Ser Ser Glu His Pro
145 150 155 160

Trp Lys Trp Thr Asp Asn Thr Glu Tyr Asn Asn Met Ile Pro Ile Gln
165 170 175

Gly Val Glu Thr Cys Ala Tyr Leu Ser Gly Asn Gly Ile Ser Ser Ser
180 185 190

Arg His Tyr Ile Pro Arg Ile Trp Ile Cys Ser Lys Leu Asn Asn Tyr
195 200 205

Ser Leu His Cys Pro Thr Pro Val Pro Val
210 215

<210> 42

<211> 217

<212> PRT

<213> Mus musculus

<400> 42

Met	Pro	Asp	Cys	Leu	Glu	Thr	Gly	Glu	Lys	Leu	Phe	Val	His	Asn	Met
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Asn	Ala	Gln	Cys	Val	Gln	Lys	Pro	Glu	Glu	Gly	Asn	Gly	Pro	Leu	Gly
			20					25					30		
Thr	Gly	Gly	Lys	Ile	Val	Gln	Gly	Lys	Cys	Phe	Arg	Ile	Ile	Ser	Thr
		35					40					45			
Val	Ser	Pro	Val	Lys	Leu	Tyr	Cys	Cys	Tyr	Gly	Val	Ile	Met	Val	Leu
	50					55					60				
Thr	Val	Ala	Val	Ile	Ala	Leu	Ser	Val	Ala	Leu	Ser	Thr	Lys	Lys	Thr
65					70					75					80
Glu	Gln	Ile	Ile	Ile	Asn	Lys	Thr	Tyr	Ala	Ala	Cys	Ser	Lys	Asn	Trp
				85					90					95	
Thr	Gly	Val	Gly	Asn	Lys	Cys	Phe	Tyr	Phe	Ser	Gly	Tyr	Pro	Arg	Asn
			100					105					110		
Trp	Thr	Phe	Ala	Gln	Ala	Phe	Cys	Met	Ala	Gln	Glu	Ala	Gln	Leu	Ala
		115					120					125			
Arg	Phe	Asp	Asn	Glu	Glu	Glu	Leu	Ile	Phe	Leu	Lys	Arg	Phe	Lys	Gly
	130					135					140				
Asp	Phe	Asp	Cys	Trp	Ile	Gly	Leu	His	Arg	Glu	Ser	Ser	Glu	His	Pro
145					150					155					160
Trp	Lys	Trp	Thr	Asn	Asn	Thr	Glu	Tyr	Asn	Asn	Met	Asn	Pro	Ile	Leu
				165					170					175	
Gly	Val	Gly	Arg	Tyr	Ala	Tyr	Leu	Ser	Ser	Asp	Arg	Ile	Ser	Ser	Ser
			180					185					190		
Arg	Ser	Tyr	Ile	Asn	Arg	Met	Trp	Ile	Cys	Ser	Lys	Leu	Asn	Asn	Tyr

195

200

205

Asn Leu His Cys Gln Thr Pro Pro Val

210

215

<210> 43

<211> 27

<212> DNA

<213> Artificial

<220>

<223> antisense primer

<400> 43

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27

<210> 44

<211> 820

<212> DNA

<213> Homo sapiens

<400> 44

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120

tgtttctgac aatcatagtg tgtggaatgg ttgctgcttt aagcgcaata agagctaact

180

gccatcaaga gccatcagta tgtcttcaag ctgcatgccc agaaagctgg attggttttc

240

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<210> 45

<211> 845

<212> DNA

<213> Homo sapiens

<400> 45

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<210> 46

<211> 937

<212> DNA

<213> Homo sapiens

<400> 46

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<210> 47

<211> 28

<212> DNA

<213> Artificial

<220>

<223> sense specific primer

<400> 47

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28

<210> 48

<211> 18

<212> PRT

<213> Artificial

<220>

<223> pepetide epitope recognised by antibody MOCIL-3

<400> 48

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Gln Glu

<210> 49

<211> 16

<212> PRT

<213> Artificial

<220>

<223> peptide epitope recognised by antibody MOCIL-RP-1

<400> 49

Cys	Val	Gln	Lys	Pro	Glu	Glu	Gly	Asn	Gly	Pro	Leu	Gly	Thr	Gly	Asp
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<210> 50

<211> 28

<212> DNA

<213> Artificial

<220>

<223> sense primer

<400> 50

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<211> 32

<212> DNA

<213> Artificial

<220>

<223> antisense pimer

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32

<210> 52

<211> 29

<212> DNA

<213> Artificial

<220>

<223> sense primer

<400> 52

tcagaattca cctatgctgc ttgcccga

29

<210> 53

<211> 32

<212> DNA

<213> Artificial

<220>

<223> antisense primer

<400> 53

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<210> 54

<211> 29

<212> DNA

<213> Artificial

<220>

<223> sense primer

<400> 54

tcagaattca cctatgctgc ttgctcaaa

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<210> 55

<211> 26

<212> DNA

<213> Artificial

<220>

<223> sense primer

<400> 55

gcggaattcc ttcaagctgc atgccc

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<210> 56

<211> 31

<212> DNA

<213> Artificial

<220>

<223> antisense primer

<400> 56

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31